

ABSTRACT OF THE DISCLOSURE

An electric motor 10 has an armature 12 including windings 14. The armature is constructed and arranged to rotate a shaft 16. The motor includes a commutator 18 and a brush card assembly 20 having brushes to engage the commutator and conduct electrical current to the windings. A permanent magnet structure 21 is disposed about the armature. A frame assembly 22 carries the permanent magnet structure. A coil spring structure 36, containing iron, is disposed about and contacts the permanent magnet structure to define a flux path of the motor.